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OA AUTOMATION MODULE AT COURSE STRUCTURE* 2024

PROGRAMMING LANGUAGE FUNDAMENTALS

Tel·Ran

IT Educational Center

CORE JAVA FUNDAMENTALS

SOFTWARE TESTING

SOFTWARE TESTING AUTOMATION

Basic autotests concept, HTML, DOM · Setting up Browser, Project, IDE · Recording tests with Selenium IDE · Locating page elements with ID, Name, Class, using CSS and Xpath · Using FireBug and FirePath plugins • Selenium webdriver commands • Using projects patterns — PageObject and PageFactory · Creating test data generators · Assertions and Expectations Infrastructure for building and running tests — Maven $\,\cdot\,$ Testing frameworks — JUNIT or TestNG $\,\cdot\,$ Spring and Selenium $\,\cdot\,$ Running tests on grid, local network and cloud service · Running tests in parallel · Continuous integration — Jenkins and TeamCity \cdot Logging, screenshotting and video reports

Database and SQL Basics · Relational Databases · Tables · Logical Structure · Keys · Indexes · SQL Development Platform \cdot MongoDB \cdot MongoDB in Cloud \cdot CRUD Operations: Create, Read, Update, and Delete Data · Mongo Aggregation

TOTAL THEORETICAL HOURS PRACTICAL WORK ON REAL PROJECTS

TOTAL HOURS

* — Tel-Ran educational center can make changes and adjustments to this program due to the relevance of the studied technologies without losing the total number of study hours without notifying students. The online QA English course is free and optional.

** — doesn't include FREE webinars that are held regularly on topics covered in class and on homework analysis

80 hours

100 hours

80 hours

132 hours

80 hours

132 hours

212 hours**